

App. No. 09/784,246
Amendment Dated January 5, 2006
Reply to Office Action of November 2, 2005

Listing of Claims:

1. (Currently amended) A method for configuring a multi-language mobile device to accommodate data variances among geographic locations accessing language dependent data in a mobile electronic device, the method comprising:

providing a ~~non-localized~~ language resource data store including non-localized language-dependent elements for viewing an application in a first language; ~~data associated with a first language;~~

providing a ~~localized~~ geographical resource data store including geographically localized language-dependent elements for association with an application to update the application for a geographic location ~~information associated with the first language and a geographic location, wherein the geographically localized language dependent elements are information is updatable upon a change associated with the geographic location;~~

processing a request from an application to retrieve geographically localized language-dependent elements ~~information associated with the first language from the localized data store, the localized data store containing localized language dependent information for a plurality of languages and a registry;~~

providing requested geographically dependent elements ~~localized language-dependent information~~ from the geographic resource ~~localized data store~~ to the application; and

displaying the geographically dependent elements on ~~localized language-dependent information by~~ the mobile electronic device.

2. (Currently amended) The method of Claim 1, further comprising processing a second request to access the language resource data store, the language resource data store including the language-dependent elements for viewing an application in a first language, the language resource data store having a plurality of language-dependent elements, each language-dependent element being associated with a uniquely identified language, a first resource, the first resource containing the non localized language dependent information associated with the first language, the first resource being one of a plurality of resources, each resource of the plurality of

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~~resources containing non-localized language dependent information associated with a uniquely identified language.~~

3. (Currently amended) The method of Claim 2 wherein the language resource data store ~~first resource~~ comprises a dynamically linked library.

4. (Original) The method of Claim 1, further comprising determining a language setting of the mobile electronic device.

5. (Currently amended) The method of Claim 1 wherein the geographical resource localized data store is organized hierarchically with a plurality of levels.

6. (Currently amended) The method of Claim 5 wherein processing the request further comprises accessing a level of the geographical resource localized data store to retrieve the requested geographically-dependent element ~~localized language dependent information~~.

7. (Currently amended) The method of Claim 6, further comprising accessing another level hierarchically below the level ~~when if~~ the requested geographically-dependent element ~~localized language dependent information~~ is not found in the level.

8. (Currently amended) The method of Claim 1 wherein the geographical resource localized data store comprises a look-up table.

9. (Currently amended) The method of Claim 1 wherein the geographically dependent element ~~localized language dependent information~~ is a file name formatted in the first language.

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10. (Currently amended) The method of Claim 9 wherein the geographical resource localized data store is accessible by an application to load the a-localized file name into the application localized data store.

11. (Currently amended) A computer-readable medium having computer-executable instructions for configuring a multi-language mobile device to accommodate data variances among geographic locations, the instructions comprising: performing steps comprising:
providing a non-localized language resource data store including non-localized language-dependent elements for viewing an application in a first language; data associated with a first language;
providing a localized geographical resource data store including geographically localized language-dependent elements for association with an application to update the application for a geographic location information associated with the first language and a geographic location, wherein the geographically localized language-dependent elements are information is updatable upon a change associated with the geographic location;
processing a request from an application to retrieve geographically localized language-dependent elements information associated with the first language from the localized data store, the localized data store containing localized language dependent information for a plurality of languages and a registry;
providing requested geographically dependent elements localized language-dependent information from the geographic resource localized data store to the application; and
displaying the geographically dependent elements on localized language-dependent information by the mobile electronic device.

12. (Currently amended) The computer-readable medium of Claim 11, further comprising processing a second request to access the language resource data store, the language resource data store including the language-dependent elements for viewing an application in a first language, the language resource data store having a plurality of language-dependent elements, each language-dependent element being associated with a uniquely identified

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~~language, a first resource, the first resource containing the non-localized language-dependent information associated with the first language, the first resource being one of a plurality of resources, each resource of the plurality of resources containing non-localized language-dependent information associated with a uniquely identified language.~~

13. (Currently amended) The computer-readable medium of Claim 12 wherein the language resource data store ~~first resource~~ comprises a dynamically linked library.

14. (Original) The computer-readable medium of Claim 11, further comprising determining a language setting of the mobile electronic device.

15. (Currently amended) The computer-readable medium of Claim 11 wherein the geographical resource ~~localized~~ data store is organized hierarchically with a plurality of levels.

16. (Currently amended) The computer-readable medium of Claim 15 wherein processing the request further comprises accessing a level of the geographical resource ~~localized~~ data store to retrieve the requested geographically-dependent element ~~localized language-dependent information~~.

17. (Currently amended) The computer-readable medium of Claim 16, further comprising accessing another level hierarchically below the level when if the requested geographically-dependent element ~~localized language-dependent information~~ is not found in the level.

18. (Currently amended) The computer-readable medium of Claim 11 wherein the geographical resource ~~localized~~ data store comprises a look-up table.

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19. (Currently amended) The computer-readable medium of Claim 11 wherein the geographically dependent element ~~localized language dependent information~~ is a file name formatted in the first language.

20. (Currently amended) The computer-readable medium of Claim 19 wherein the geographical resource ~~localized~~ data store is accessible by an application to load the a localized file name into the application ~~localized data store~~.

21. (Currently amended) A multi-language mobile electronic device, comprising:
localized a geographic resource data store means for storing geographically
dependent elements ~~containing localized language dependent information~~ for a plurality of
~~languages and at least one~~ geographic locations, wherein the geographically dependent elements
are stored for association with an application to update the application for a geographic location
~~localized language dependent information is updateable upon a change associated with the~~
geographic location;

means for processing a request from the an application to retrieve geographically-
dependent elements from the geographic resource data store means localized language dependent
~~information associated with a first language from the localized data store~~ means;

means for displaying information; and

means for providing requested geographically-dependent elements ~~localized~~
~~language dependent information~~ from the geographic resource data store means localized data
~~store~~ means to the application to be displayed.

22. (Currently amended) The mobile electronic device of Claim 21, further comprising:

~~first resource~~ a language resource data store means for storing language-
dependent elements for viewing the application in a first language ~~containing non-localized~~
~~information associated with the first language~~, the language resource data store means first
resource means having a plurality of language-dependent elements ~~being one of a plurality of~~

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~~resources means, each language-dependent element being resource means of the plurality of resource means containing non-localized information associated with a uniquely identified language; and~~

~~means for processing a second request to access the language resource data store means first resource means.~~

23. (Original) The mobile electronic device of Claim 21, further comprising means for determining a language setting of the mobile electronic device.

24. (Currently amended) The mobile electronic device of Claim 21 wherein the geographic resource data store means ~~localized data store means~~ is organized hierarchically with a plurality of levels.

25. (Currently amended) The mobile electronic device of Claim 24 wherein the means for processing the second request further comprises means for accessing a level of the geographic resource data store means ~~localized data store~~ to retrieve the requested geographically-dependent elements ~~localized language-dependent information~~.

26. (Currently amended) The mobile electronic device of Claim 25 wherein the means for accessing is configured to access another level that is hierarchically below the level ~~when if~~ the requested geographically-dependent elements ~~are localized language-dependent information~~ is not found in the level.

27. (Currently amended) The mobile electronic device of Claim 21 wherein the geographic resource data store means ~~localized data store means~~ comprises a registry.

28. (Currently amended) The mobile electronic device of Claim 21 wherein the geographic resource data store means ~~localized data store means~~ comprises a look-up table.

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29. (Currently amended) The mobile electronic device of Claim 21 wherein the geographically-dependent element ~~localized language-dependent information~~ comprises a file name formatted in the first language.

30. (Currently amended) The mobile electronic device of Claim 29 wherein the geographic resource data store means ~~the localized data store means~~ is accessible by an application to load the a localized file name into the application ~~the localized data store means~~.

31. (Currently amended) A system for configuring a multi-language mobile device to accommodate data variances of geographical regions ~~accessing language-dependent data in a mobile electronic device~~, comprising:

a display unit;

a language resource data store ~~non localized data store~~ configured to store language-dependent elements for viewing an application in a first language ~~contain non-localized language-dependent information associated with a first language~~;

a geographical resource data store ~~localized data store~~ configured to store geographically-dependent elements for association with an application to update the application for a geographic location; ~~contain localized language-dependent information for a plurality of languages and a registry, wherein the localized language-dependent information is associated with a geographical location and updateable upon a change associated with the geographical location~~;

an application; and

an operating system coupled to the display, the geographical resource data store ~~localized data store~~, and the application, wherein the operating system is configured to process a request from the application to retrieve geographically-dependent elements ~~localized language-dependent information~~ ~~associated with a first language~~ from the geographical resource data store ~~localized data store~~, provide requested geographically-dependent elements ~~localized language-dependent information~~ from the geographical resource data store ~~localized data store~~ to

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the application, and cause the display unit to display the geographically-dependent elements localized language-dependent information.

32. (Currently amended) The system of Claim 31, wherein the language resource data store includes a plurality of language-dependent elements, each of the language-dependent elements being associated with a uniquely identifier language, wherein the operating system is configured to process a second request from the application to access the language resource data store, further comprising a first resource, the first resource containing the non-localized language-dependent information associated with the first language, the first resource being one of a plurality of resources, each resource of the plurality of resources containing non-localized language-dependent information associated with a uniquely identified language, wherein the operating system configured to process a second request from the application to access the first resource.

33. (Currently amended) The system of Claim 32 wherein the language resource data store ~~first resource~~ comprises a dynamically linked library.

34. (Original) The system of Claim 31 wherein the operating system is further configured to determine a language setting of the mobile electronic device.

35. (Currently amended) The system of Claim 31 wherein the geographical resource data store is organized hierarchically with a plurality of levels.

36. (Currently amended) The system of Claim 31 wherein the geographically-dependent elements are the localized language-dependent information is associated with a base key of the registry.

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37. (Currently amended) The system of Claim 36 wherein the geographically-dependent elements are localized language-dependent information is associated with a sub key of the base key.

38. (Currently amended) The system of Claim 31 wherein the geographical resource data store localized data-store comprises a look-up table.

39. (Currently amended) The system of Claim 31 wherein the geographically-dependent elements are localized language-dependent information comprises a file name formatted in the first language.

40. (Currently amended) The system of Claim 39 wherein the geographical resource data store localized data-store is accessible by the application to load the a-localized file name into the application the localized data-store.

41-47 (Canceled).

48. (New) A computer-implemented method for configuring a multi-language mobile device to accommodate data variances of geographical regions, the method comprising:

- providing an application for generating user interface elements;
- providing a language resource data store, wherein the language resource data store includes language settings for the user interface elements;
- providing a geographic resource data store having geographically specific user interface elements;
- requesting a language setting associated with a language;
- providing user interface elements in the language;
- requesting a geographic specific user interface element; and
- associating the geographically specific user interface element with the application.

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49. (New) The computer-implemented method of claim 48, wherein the geographically specific user interface element is at least one of: a time zone name, daylight savings, and a name of a location.

50. (New) The computer-implemented method of claim 48, wherein the geographically specific user interface element includes the language of the language setting.

51. (New) A computer-readable medium having computer executable instructions for configuring a multi-language mobile device to accommodate data variances of geographical regions, the instructions comprising:

- providing an application for generating geographically neutral user interface elements and geographically dependent user interface elements;
- providing a language resource data store, wherein the language resource data store includes language settings for the neutral user interface elements;
- providing a geographic resource data store having the geographically specific user interface elements;
- requesting a language setting associated with a language;
- providing geographically neutral user interface elements in the language;
- requesting a geographic specific user interface element; and
- associating the geographically specific user interface element with the application.

52. (New) The computer-readable medium of claim 51, wherein the geographically specific user interface element is at least one of: a time zone name, daylight savings, and a name of a location.

53. (New) A multi-language mobile device for accommodating data variances among geographical regions, the device comprising:

- a language resource data store having language settings for user interface elements;

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a geographic resource data store having geographically specific user interface elements;

an application associated with a display for displaying the user interface elements on a display, wherein the application is configured to:

- request a language setting associated with a language;
- display the user interface elements in the language;
- request a geographically specific user interface element;
- display the geographically specific user interface elements.

54. (New) The computer-implemented method of claim 53, wherein the geographically specific user interface element is at least one of: a time zone name, daylight savings, and a name of a location.